

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :
Yusuke SHIOTA et al. :
Serial No. NEW : **Attn: APPLICATION BRANCH**
Filed July 10, 2003 : Attorney Docket No. 2003_0948

CATALYST FOR TREATING WASTE WATER,
METHOD FOR PREPARING THE SAME AND
PROCESS FOR TREATING WASTE WATER
(Rule 1.53(b) Divisional
of Serial No. 09/753,682,
Filed January 4, 2001)

THE COMMISSIONER IS AUTHORIZED
TO CHARGE ANY DEFICIENCY IN THE
FEE FOR THIS PAPER TO DEPOSIT
ACCOUNT NO. 23-0975.

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of ☒ the references listed on attached forms PTO-1449 and/or ☐ the additional information identified below in paragraph 3. A legible copy of each reference listed on the form PTO-1449 and each U.S. patent application listed below is enclosed, except a copy is not provided for each reference previously cited by or submitted to the Patent Office in prior parent application Serial No. 09/753,682.

1a. ☒ This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, **or**

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

and thus no certification and/or fee is required.

- 1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

(1) ☐ the certification of paragraph 2 below is provided, **or**

(2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

- 1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

the certification of paragraph 2 below is provided, and

the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

2. It is hereby certified

a. ☐ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or

b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.

4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
- a. ☐ a full or partial English language translation submitted herewith,
 - b. ☐ a foreign patent office search report (in the English language) submitted herewith,
 - c. ☐ the concise explanation contained in the specification of the present application at page ,
 - d. ☐ the concise explanation set forth in the attached English language abstract,
 - e. ☐ the concise explanation set forth below or on a separate sheet attached to the reference:
5. ☐ A foreign patent office search report citing one or more of the references is enclosed.

Respectfully submitted,

Yusuke SHIOTA et al.

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July 10, 2003

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: July 10, 2003

ATTY DOCKET NO.
2003_0948SERIAL NO.
NEWAPPLICANT
Yusuke SHIOTA et al.FILING DATE
July 10, 2003

GROUP

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,110,779	5/1992	Hucul	502	185	
	AB	4,683,065	7/1987	Sheikh	210	668	
	AC	5,770,093	6/1998	Shiota et al.	210	762	
	AD	4,361,500	11/1982	Mathe et al.	252	430	
	AE	5,552,063	9/1996	Yan	210	763	
	AF	5,362,405	11/1994	Birbara et al.	210	763	
	AG						
	AH						
	AI						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	AJ	0 913 193	5/1999	EP				
	AK	0 399 302	11/1990	EP				
	AL	0 330 627	8/1989	EP				
	AM	0 514 177	11/92	EP				
	AN	2 043 045	10/1980	GB				

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AO	
	AP	
	AQ	

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,214,014	5/1993	Yoshimoto et al.			
	AB	5,110,779	5/1992	Hucul			
	AC	6,051,198	4/2000	Sano et al.			
	AD	6,149,820	11/2000	Pedersen			
	AE	5,620,610	4/1997	Ishii et al.			
	AF	6,168,775	1/2001	Zhou et al.			
	AG	6,159,896	12/2000	Zoeller et al.			
	AH	5,149,680	9/1992	Kitson et al.			
	AI						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	AJ	9-155364	6/1997	Japan			Abstract	
	AK	9-253696	9/1997	Japan			Abstract	
	AL	6-47101	2/1994	Japan			Abstract	
	AM							
	AN							

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

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